

Title (en)
Variable displacement compressor

Title (de)
Kompressor mit veränderlicher Verdrängung

Title (fr)
Compresseur à capacité variable

Publication
EP 0990795 A3 20001102 (EN)

Application
EP 99119567 A 19991001

Priority
• JP 28158998 A 19981002
• JP 31600498 A 19981106

Abstract (en)
[origin: EP0990795A2] A compressor (Cp) that generates relatively little noise and prevents partial clutch engagement and gas leakage when the inclination of a cam plate (32) is suddenly decreased by a great amount. The compressor includes a control valve (49) that electrically controls the compressor displacement based on external information. The rear end (16b) of a drive shaft (16) is supported by an shaft bore (71) formed in a cylinder block (12). A stopper (76, 77, 14, 102, 103, 111, 121, 122) is located endwise of the drive shaft to limit axial movement of the drive shaft. The stopper may be very stiff spring or a rigid member. <IMAGE>

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F04B 27/10

IPC 8 full level
F04B 49/00 (2006.01); **F04B 27/10** (2006.01)

CPC (source: EP US)
F04B 27/1063 (2013.01 - EP US); **F04B 27/1072** (2013.01 - EP US)

Citation (search report)
• [XA] DE 19803863 A1 19980903 - TOYODA AUTOMATIC LOOM WORKS [JP]
• [X] US 5299918 A 19940405 - TERUO HIGUCHI [JP]

Cited by
EP1406013A3; EP1462649A3; EP1772627A1; US8137078B2; WO2006056167A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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